

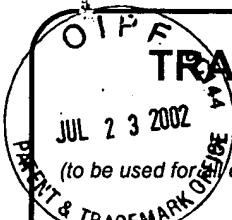
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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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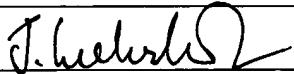
PCT
H4

| | | | |
|---|-------------------------------------|------------------------|---------------------|
|  | | Application Number | 09/700,851 |
| | | Filing Date | November 17, 2000 |
| | | First Named Inventor | Matsumoto, Yoh-Ichi |
| | | Group Art Unit | Unassigned |
| | | Examiner Name | Unassigned |
| Total Number of Pages in This Submission | <input checked="" type="checkbox"/> | Attorney Docket Number | 019026-000110US |

ENCLOSURES (check all that apply)

| | | |
|--|--|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers (for an Application) | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment / Response | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | Return Postcard |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | Copy of Notification of Defective Response |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) | Sequence Listing |
| <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application | Remarks | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | |
|--------------------------|---|--|
| Firm and Individual name | Townsend and Townsend and Crew LLP Joe Liebeschuetz Reg. No. 37,505 | |
| Signature |  | |
| Date | July 19, 2002 | |

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: BOX SEQUENCE, PO BOX 2327, ARLINGTON, VA 22202 on this date:

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|-----------------------|---|---------------|
| Typed or printed name | Paula Faulk Hurley | |
| Signature |  | |
| | Date | July 19, 2002 |

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PA 3237235 v1



UNITED STATES PATENT AND TRADEMARK OFFICE

019026-00011OUS JOL

Commissioner for Patents, Box PCT
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 Washington, D.C. 20231
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| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
|-----------------------------|-----------------------|-------------------------------|
| 09/700,851 | Atsushi Imaizumi | 019026 00011OUS |
| | | INTERNATIONAL APPLICATION NO. |
| | | PCT/US99/11179 |
| | | I.A. FILING DATE |
| | | 05/19/1999 |
| | | PRIORITY DATE |
| | | 05/20/1998 |

Joe Liebeschuetz
 Two Embarcadero Center 8th Floor
 San Francisco, CA 94111



CONFIRMATION NO. 3540
 371 FORMALITIES LETTER



OC00000008329865

Response Due 7/21/02 S3P
 + Sequence Listing

Date Mailed: 06/21/2002

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fee
- Priority Document
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Preliminary Amendments
- Request for Immediate Examination

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Additionally the following defects have been observed:

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the

- computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- **APPLICANT MUST PROVIDE:**
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
 - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov
- Additional claim fees of **\$552** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$552** for a Large Entity:

- Total additional claim fee(s) for this application is **\$552**
 - **\$92** for 3 independent claims over 3.
 - **\$180** for 23 total claims over 20.
 - **\$280** for multiple dependant claims surcharge.
- A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

KAYA L LEWIS BALTIMORE

Telephone: (703) 305-3695

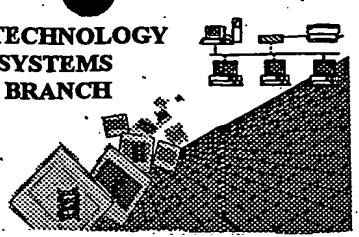
PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 09/700,851 | PCT/US99/11179 | 019026 00011OUS |

FORM PCT/DO/EO/916 (371 Formalities Notice)



BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/700,851
Source: PTO/US
Date Processed by STIC: 4/22/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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Revised 01/29/2002



PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/700,851

DATE: 04/22/2002
TIME: 15:45:01

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JPR 1-3

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Matsumoto, Yoh-Ichi
4 Kimura, Tsuyoshi
5 Imaizumi, Atsushi
6 Takedo, Tae
7 Co, May Sung
8 Vasquez, Maximiliano
9 TEIJIN LIMITED
11 <120> TITLE OF INVENTION: HUMANIZED ANTIBODIES THAT RECOGNIZE VEROTOXIN II AND
12 CELL LINE PRODUCING SAME
14 <130> FILE REFERENCE: 019026-000110US
16 <140> CURRENT APPLICATION NUMBER: 09/700851
> 17 <141> CURRENT FILING DATE: 2001-12-18
19 <150> PRIOR APPLICATION NUMBER: WO 99/59629
20 <151> PRIOR FILING DATE: 1999-05-19
22 <150> PRIOR APPLICATION NUMBER: US 60/086,570
23 <151> PRIOR FILING DATE: 1998-05-20
25 <160> NUMBER OF SEQ ID NOS: 8
27 <170> SOFTWARE: PatentIn Ver. 2.1

STORED SEQUENCES

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82 <212> TYPE: PRT
83 <213> ORGANISM: Mus musculus → C2207
84 <223> OTHER INFORMATION: Figure 1(A). Heavy chain variable region of mouse antibody VTm1.1 (MuVTm1.1). → C2217, C2227, or C2237 is shown
> 87 <400> SEQUENCE: 2
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89 1 5 10 15
90 Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys
91 20 25 30
92 Pro Gly Gly Pro Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
93 35 40 45
94 Ser Ser Tyr Gly Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu
95 50 55 60
96 Glu Trp Val Ala Thr Ile Ser Thr Gly Gly Ser Tyr Thr Tyr Tyr Pro
97 65 70 75 80
98 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
99 85 90 95
100 Ala Leu Tyr Leu Gln Met Ser Ser Leu Arg Ser Glu Asp Thr Ala Ile
101 100 105 110
102
103
104
105
106
107

(global error)
This residue identifier
is mandatory whenever
C2207, C2217, C2227, or C2237 is shown

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PATENT APPLICATION: US/09/700,851

DATE: 04/22/2002
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168 <223> OTHER INFORMATION: Figure 1(B): Light chain variable region of mouse
169 VTm1.1 antibody (MuVTm1.1).
→ 171 <400> SEQUENCE: 4
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178 Val Thr Pro Gly Asp Ser Val Ser Leu Ser Cys Arg Ala Ser Gln Thr
179 35 40 45
181 Ile Ser Asn Asn Leu His Trp Tyr Gln His Lys Ser His Glu Ser Pro
182 50 55 60
184 Arg Leu Leu Ile Lys Ser Ala Ser Gln Ser Ile Ser Gly Ile Pro Ser
185 65 70 75 80
187 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn
188 85 90 95
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250 <211> LENGTH: 138
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252 <213> ORGANISM: Mus musculus → 2207 ↘ insert
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263 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
264 35 40 45
266 Ser Ser Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
267 50 55 60
269 Glu Trp Val Ala Thr Ile Ser Thr Gly Gly Ser Tyr Thr Tyr Tyr Pro
270 65 70 75 80
272 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
273 85 90 95
275 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
276 100 105 110
278 Tyr Tyr Cys Ala Arg Arg Gly Asp Ala Trp Gly Asn Leu Asp Tyr Trp

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,851

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| 335 | <212> TYPE: PRT | | |
| 336 | <u><213> ORGANISM: Mus musculus</u> | | ><2207 |
| 337 | <223> OTHER INFORMATION: figure 2(B): Light chain variable region of | | |
| 338 | humanized VTm1.1 antibody (HuVTm1.1) | | |
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| 347 | Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Thr | | |
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| 350 | Ile Ser Asn Asn Leu His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro | | |
| 351 | 50 55 60 | | |
| 353 | Arg Leu Leu Ile Lys Ser Ala Ser Gln Ser Ile Ser Gly Ile Pro Ala | | |
| 354 | 65 70 75 80 | | |
| 356 | Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser | | |
| 357 | 85 90 95 | | |
| 359 | Ser Leu Glu Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Ser Tyr | | |
| 360 | 100 105 110 | | |
| 362 | Ser Trp Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys | | |
| 363 | 115 120 125 | | |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/700,851

DATE: 04/22/2002

TIME: 15:45:02

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